

IX.4.1A-SHEF-SHEFPARM STANDARD HYDROLOGIC EXCHANGE FORMAT (SHEF) FILE
SHEFPARM

Purpose

File SHEFPARM contains the information used to decode Standard Hydrologic Exchange Format (SHEF) messages.

Description

The records are ASCII text.

Records that have a '\$' in column 1 are treated as comments.

Non-comment records have the following structure:

Columns Contents

Command card (indicates which parameters follow):

1-2 '*n'

 where n is one of the following:

- 1 = physical element codes
- 2 = duration codes
- 3 = type/source codes
- 4 = extremum codes
- 5 = probability codes
- 6 = send codes or duration defaults
- 7 = data qualifier codes
- 8 = default dates
- * = maximum number of errors

Physical element codes:

1-2 Physical element code
4-23 Conversion factor metric to English

Duration codes:

1 Duration code
4-8 The integer translation of the duration code

Type/Source codes:

1-2 Type/source code
4-5 1.0 to indicate it is used

Extremum codes:

1 Extremum code
4-5 1.0 to indicate it is used

Probability codes:

1 Probability code
3-22 The equivalent probability

Send codes or duration defaults:

1-2 Physical element or send code

<u>Columns</u>	<u>Contents</u>
4-11	The fully expanded parameter code for send codes or the three-character 'PED' combination for duration defaults
12-13	For send codes put a '1' in this column if the observe time is the previous 7 AM

Data qualifier codes:

1 Qualifier letter

Default dates: 1/

1-4 Year
6-7 Month
9-10 Day

Maximum errors:

1-4 Maximum number of errors allowed before decoding stops

Notes:

1/ When the year is not explicitly coded in the date field of a SHEF message the year is assigned using the current system date. This command specifies the default dates if those other than the current system values are to be used.